Project Name/Location: Contract Number: W9127N-05-C-0012

Columbia River Channel Improvement - *RM 10+00 to 11+10, Flavel*

Date: 07/12/2005 John Cannon contacted at 08:30.

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number	DR-1	20.1	8:22:37	7337338.75	938193.28	1.7	
492	DR-2	18.9	8:24:53	7337138.40	938451.19	5.7	8.1
Tidal Stage	DR-2R1	18.6	8:24:56	7337134.70	938463.51	8.6	8.1
Ebb	DR-4	20.0	8:26:20	7336382.88	938769.10	2.6	
Dredge State:	DR-3	20.2	8:28:53	7337473.02	937871.24	6.4	
Overflow through skimmers and box							
Weather:							
Clear							
Wind:							
0-5 kts							
Seas:							
0-1'							
Disposal location							
Columbia River DWS							

Remarks:	**Action Taken:**
Test DR-2 exceeded 10% over background, taken in the plume.	Re-test DR-2R1 was taken.
Test DR-4 taken in the plume.	
Test DR-3 taken on stbd side, not in plume.	Dredge moved away from the area while continuing dredging.

Sample Point Key	All Tests Conducted With YSI 6600	Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel		
DR-2	100' Down Current	OR	OR, WA
DR-3	300' Radially from point of dredge (Port or Starboard)	WA	Not Required
DR-4	900' Down Current from point of dredging	WA	Not Required
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point		

Project Name/Location: Contract Number: W9127N-05-C-0012

Columbia River Channel Improvement - *RM 10+00 to 11+10, Flavel*

Date: 07/12/2005

John Cannon contacted at 13:00. He called back later per his request.

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number	DR-1	19.5	12:44:15	7338078.58	937803.06	2.6	
493	DR-2	18.8	12:46:14	7337571.86	938110.42	28.9	8.0
Tidal Stage	DR-2R1	19.4	12:46:17	7337563.68	938116.84	29.3	8.0
Ebb	DR-4	20.4	12:47:18	7337133.01	938323.66	17.1	
Dredge State:	DR-4R1	20.3	12:47:22	7337124.83	938330.09	15.2	
Overflow through skimmers and box	DR-3	20.2	12:50:29	7338630.51	938065.68	8.6	
Weather:	DR-3R1	20.8	12:50:32	7338626.55	938071.93	7.3	
Clear							
Wind:							
0-5 kts							
Seas:							
0-1'							
Disposal location							
Columbia River DWS							

Remarks:	**Action Taken:**
Test DR-2 exceeded 10% over background, taken in the plume.	Re-test DR-2R1 was taken.
Test DR-4 exceeded 5 NTU over background, taken in the plume.	Re-test DR-4R1 was taken.
Test DR-3 exceeded 5 NTU over background, taken on port side,	Re-test DR-3R1 was taken.
not in plume.	Dredge moved away from the area while continuing dredging.

Sample Point Key	All Tests Conducted With YSI 6600	Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel		
DR-2	100' Down Current	OR	OR, WA
DR-3	300' Radially from point of dredge (Port or Starboard)	WA	Not Required
DR-4	900' Down Current from point of dredging	WA	Not Required
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point		

Project Name/Location: Contract Number: W9127N-05-C-0012

Columbia River Channel Improvement - *RM 10+00 to 11+10, Flavel*

Date: 07/12/2005 John Cannon contacted at 17:15.

Dredging
Load Number
494
Tidal Stage
Flood
Dredge State:
Overflow through skimmers only
Weather:
Partly Cloudy
Wind:
0-5 kts
Seas:
0-1'
Disposal location
Columbia River DWS

Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
DR-1	18.4	16:33:13	7340772.50	938662.79	2.3	
DR-2	19.2	16:35:14	7341116.67	938307.60	9.4	8.2
DR-2R1	19.6	16:35:17	7341124.85	938301.18	10.1	8.2
DR-4	21.8	16:39:36	7341453.44	938177.84	13.5	
DR-4R1	21.6	16:39:39	7341453.44	938177.84	13.3	
DR-3	22.1	16:41:50	7340074.17	938734.81	11.1	
DR-3R1	21.7	16:41:53	7340074.17	938734.81	9.0	

Remarks:	Action Taken:
Test DR-2 exceeded 10% over background, taken in the plume.	Re-test DR-2R1 was taken.
Test DR-4 exceeded 5 NTU over background, taken in the plume.	Re-test DR-4R1 was taken.
Test DR-3 exceeded 5 NTU over background, taken on stbd side,	Re-test DR-3R1 was taken.
not in plume.	Dredge moved away from the area while continuing dredging.
Delay in testing between points DR-2 and DR-4 due to ship traffic.	

Sample Point Key	All Tests Conducted With YSI 6600	Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel		
DR-2	100' Down Current	OR	OR, WA
DR-3	300' Radially from point of dredge (Port or Starboard)	WA	Not Required
DR-4	900' Down Current from point of dredging	WA	Not Required
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point		

Project Name/Location: Contract Number: W9127N-05-C-0012

Columbia River Channel Improvement - *RM 10+00 to 11+10, Flavel*

Date: 07/12/2005 John Cannon contacted at 21:00.

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number	DR-1	17.1	20:42:31	7337075.50	938362.59	1.5	
495	DR-2	19.7	20:44:02	7336899.95	938607.29	6.6	7.9
Tidal Stage	DR-2R1	19.5	20:44:05	7336900.20	938613.36	7.4	8.1
Flood	DR-4	19.1	20:47:55	7336177.09	938698.73	12.7	
Dredge State:	DR-4R1	19.1	20:47:59	7336172.88	938698.91	9.5	
Overflow through	DR-3	17.6	20:49:59	7337249.22	937874.62	9.3	
skimmers only	DR-3R1	17.6	20:50:02	7337253.44	937874.45	7.5	
Weather:							
Partly Cloudy							
Wind:							
0-5 kts							
Seas:							
0-1'							
Disposal location							
Columbia River DWS							

Remarks:	Action Taken:
Test DR-2 exceeded 10% over background, taken in the plume.	Re-test DR-2R1 was taken.
Test DR-4 exceeded 5 NTU over background, taken in the plume.	Re-test DR-4R1 was taken.
Test DR-3 exceeded 5 NTU over background, taken on stbd side,	Re-test DR-3R1 was taken.
not in plume.	Dredge moved away from the area while continuing dredging.

Sample Point Key	All Tests Conducted With YSI 6600	Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel		
DR-2	100' Down Current	OR	OR, WA
DR-3	300' Radially from point of dredge (Port or Starboard)	WA	Not Required
DR-4	900' Down Current from point of dredging	WA	Not Required
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point		